

PARCC Practice!

Directions: Read each problem carefully. Read and consider all of the solutions before making your selections. Show your work where necessary.

1. Solve the problem below.

Which statement about the corresponding terms in both Pattern A and Pattern B is always true?

Pattern A: 0, 5, 10, 15, 20, 25, 30

Pattern B: 0, 10, 20, 30, 40, 50, 60

- ☐ A. Each term in Pattern A is 2 times the corresponding term in Pattern B.
- ☐ B. Each term in Pattern A is $\frac{1}{2}$ times the corresponding term in Pattern B.
- ☐ C. Each term in Pattern A is 5 less than the corresponding term in Pattern B.
- ☐ D. Each term in Pattern A is 10 less than the corresponding term in Pattern B.

2. Choose all expressions that best represent the phrase "add 4 and 3, then multiply by 15". Select all that apply.

- a. $(4 + 3) \times 15$
- b. $4 + 3 \times 15$
- c. $15 \times (4 + 3)$
- d. $15 \times 4 + 3$
- e. $15 (4+3)$

3. Evaluate the expression $18 - 9 + (x + 5)$ for $x = 12$. Select all that apply.

- a) 20
- b) 26
- c) -20
- d) -26
- e) none of the above

4. Which of the following is true when comparing Expression A and Expression B? Choose all that apply.

Expression A: $65,432 + 921$

Expression B: $(65,432 + 921) \times 10$

- a) Expression A is 10 times less than Expression B
- b) Expression A is equal to Expression B
- c) Expression B is 10 times greater than Expression A
- d) Expression A is 10 times greater than Expression B